

TWELVE (12) SHEETS OF FORMAL SUBSTITUTE DRAWINGS
Attorney Docket No.: P-AR 4528 Serial No.: 09/814,604

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By \_ audrea & Gasule\_

Andrea L. Gashler, Reg. 41,029

August 3, 2001
Date of Signature

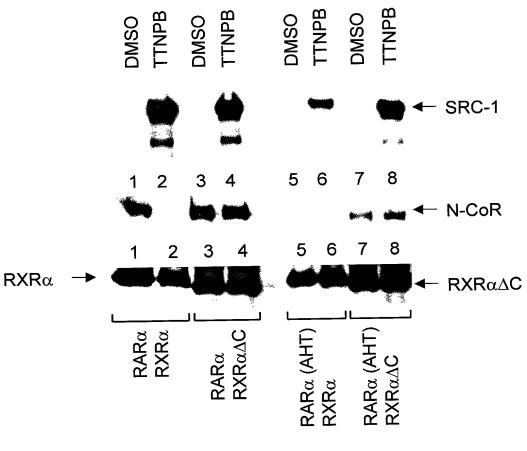
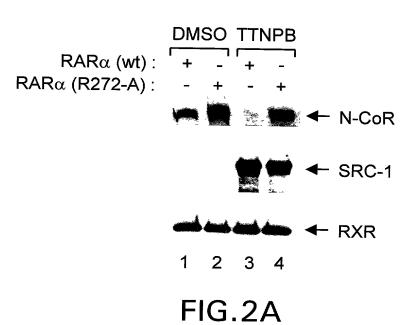


FIG.1

. .



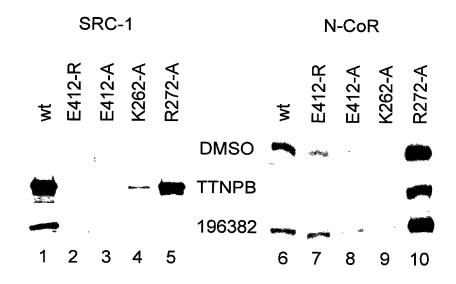
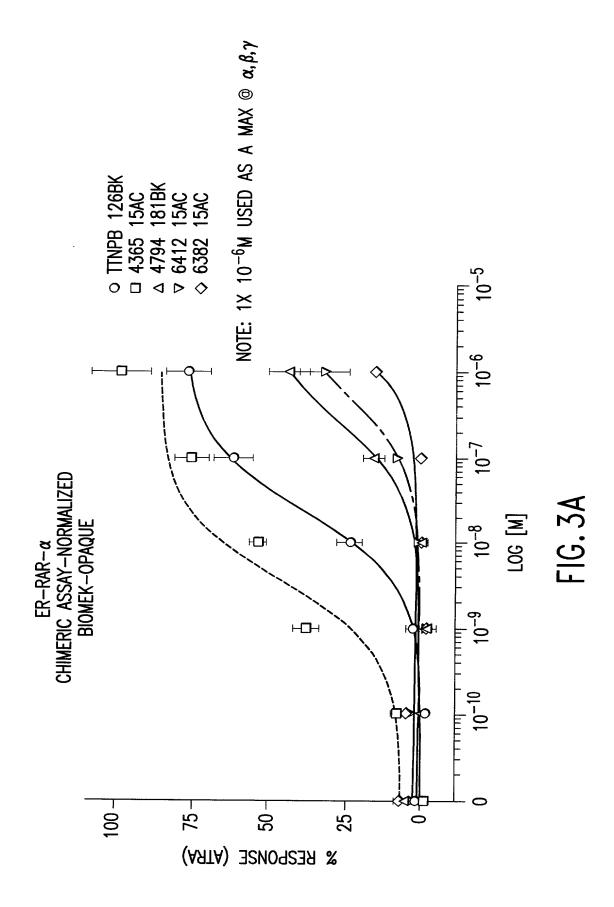
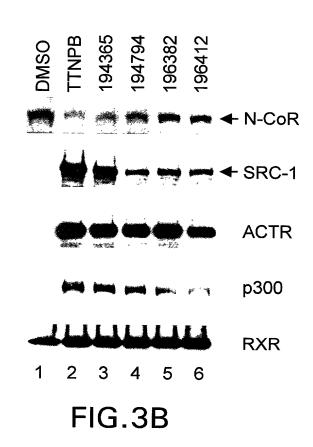
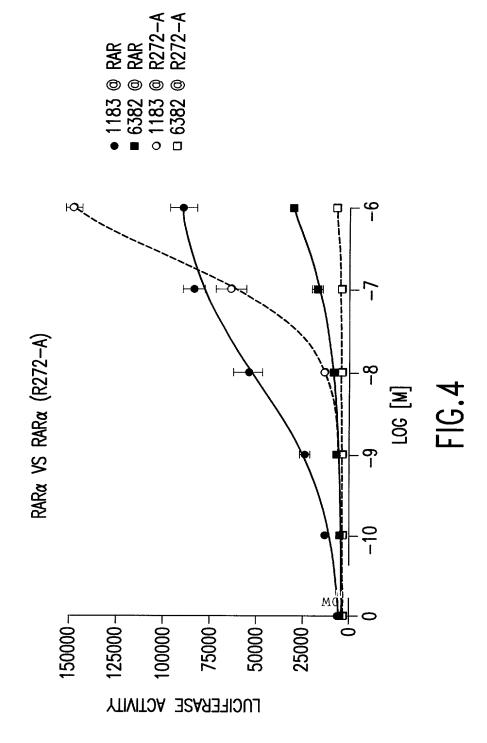
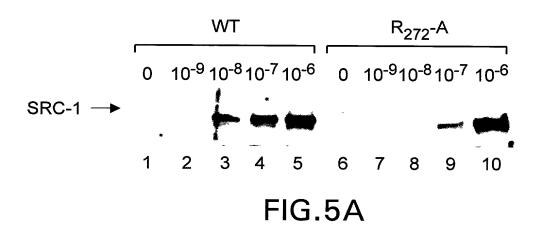


FIG.2B









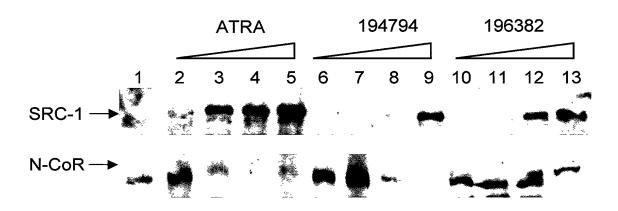
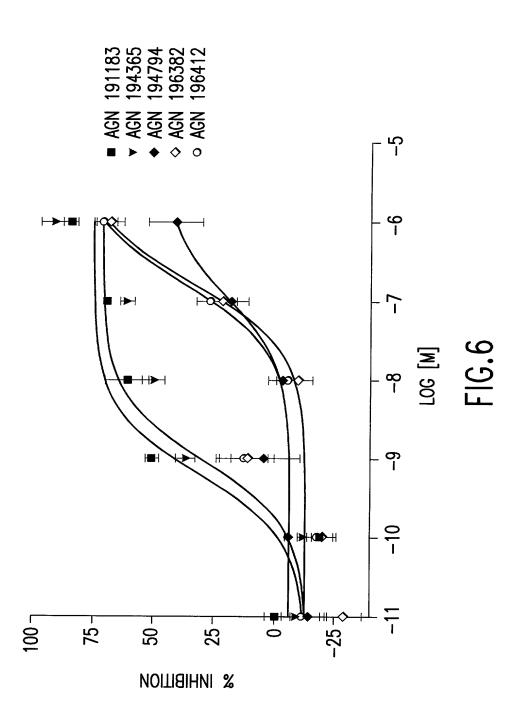


FIG.5B



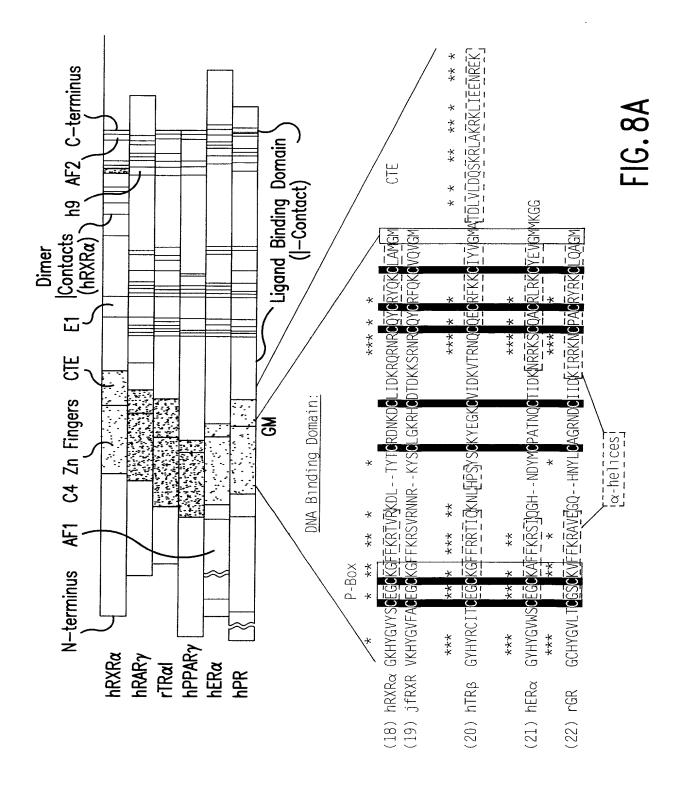
MASNSSSCPTPGGGHLNGYPVPPYAFFFPPMLGGLSPPGALTTLQHQLPVSGYSTPSPATIE TQSSSSEEIVPSPPSPPPLPRIYKPCFVCQDKSSGYHYGVSACEGCKGFFRRSIQKNMVYTC HRDKNCIINKVTRNRCQYCRLQKCFEVGMSKESVRNDRNKKKKEVPKPECSESYTLTPEVGE LIEKVRKAHQETFPALCQLGKYTTNNSSEQRVSLDIDLWDKFSELSTKCIIKTVDFAKQLPG FTTLTIADQITLLKAACLDILILRICTRYTPEQDTMTFSDGLTLNRTQMHNAGFGPLTDLVF AFANQLLPLEMDDAETGLLSAICLICGDRQDLEQPDRVDMLQEPLLEALKVYVRKRRPSRPH MFPKMLMKITDLRSISAKGAERVITLKMEIPGSMPPLIQEMLENSEGLDTLSGQPGGGRDG GGLAPPPGSCSPSLSPSSNRSSPATHSP

## FIG.7A

MFDCMDVLSVSPGQILDFYTASPSSCMLQEKALKACFSGLTQTEWQHRHTAQSIETQSTSSE ELVPSPPSPLPPPRVYKPCFVCQDKSSGYHYGVSACEGCKGFFRRSIQKNMIYTCHRDKNCV INKVTRNRCQYCRLQKCFEVGMSKESVRNDRNKKKKETSKQECTESYEMTAELDDLTEKIRK AHQETFPSLCQLAKYTTNSSADHRVRLDLGLWDKFSELATKCIIKIVEFAKRLPGFTGLTIA DQITLLKAACLDILILRICTRYTPEQDTMTFSDGLTLNRTQMHNAGFGPLTDLVFTFANQLL PLEMDDTETGLLSAICLICGDRQDLEEPTKVDKLQEPLLEALKIYIRKRRPSKPHMFPKILM KITDLRSISAKGAERVITLKMEIPGSMPPLIQEMMENSEGHEPLTPSSSGNTAEHSPSISPS SVENSGVSQSPLVQ

## FIG.7B

MATNKERLFAAGALGPGSGYPGAGFPFAFPGALRGSPPFEMLSPSFRGLGQPDLPKEMASLS VETQSTSSEEMVPSSPSPPPPPRVYKPCFVCNDKSSGYHYGVSSCEGCKGFFRRSIQKNMVY TCHRDKNCIINKVTRNRCQYCRLQKCFEVGMSKEAVRNDRNKKKKEVKEEGSPDSYELSPQL EELITKVSKAHQETFPSLCQLGKYTTNSSADHRVQLDLGLWDKFSELATKCIIKIVEFAKRL PGFTGLSIADQITLLKAACLDILMLRICTRYTPEQDTMTFSDGLTLNRTQMHNAGFGPLTDL VFAFAGQLLPLEMDDTETGLLSAICLICGDRMDLEEPEKVDKLQEPLLEALRLYARRRRPSQ PYMFPRMLMKITDLRGISTKGAERAITLKMEIPGPMPPLIREMLENPEMFEDDSSQPGPHPN ASSEDEVPGGQGKGGLKSPA



AF2 Domain	φφχφφ (43) hRXR $α$ FLMEML (44) JFRXR FLLDML	(45) hTR $\alpha$ 1 LFLEVF (46) hRAR $\gamma$ LIREIL (47) hPPAR $\gamma$ LLQEIW	(48) hLXR LLSEIW (49) hVDR LVLEVF	(50) HER LILLEML (51) HGR MLAEIII (52) HPR MISEVI	$\begin{bmatrix} \alpha - hell \times 12 \end{bmatrix}$
Heptad 9 (h9)	φφφφ (33) hrxrα [l <b>ulk[p</b> aur (34) jfrxr vilripaur	(35) hTR $\alpha$ 1 LLMKVTDLR (36) hRAR $\gamma$ MLMKITDLR (37) hPPAR $\gamma$ LLQKMTDLR	(38) hlxr MLMKLVSLR (39) hvdr MIQKLADLR	(40) hER LLLILSHIR (41) hGR LTKLLDSMH (42) hPR LTKLLDNLH	$[\alpha-helix10/11]$
E1 Region	* WAKRIPHFSELPLDDOVILL WAKRLPHFRDLSIADOVVLL	FAKKLPM <mark>F</mark> SELPCE <b>do</b> iill FakklpgFtglsia <b>do</b> itll YaksipgFvnldln <b>do</b> vtll	FAKQLPG <mark>F</mark> LQLSRE <b>DO</b> IALL FAKMIPG <b>F</b> RDLTSE <b>DO</b> IVLL	WAKRVPGFVDLTLHDOVHLL Wakaipgfrnlhlddomtll Wskslpgfrnlhiddoitli	$\begin{bmatrix} \alpha - \text{helix } 4 \end{bmatrix}$
	(23) Hrxrα WA (24) JfRXR WA	(25) hTRαl FAKKLPMFSELPCEDO (26) hRARγ FAKRLPGFTGLSIADO (27) hPPARγ YAKSIPGFVNLDLNDO	(28) hLXR FA (29) hVDR FA	(30) hER WAR (31) hGR WAR (32) hPR WSR	rα-helix 31

FIG.8B